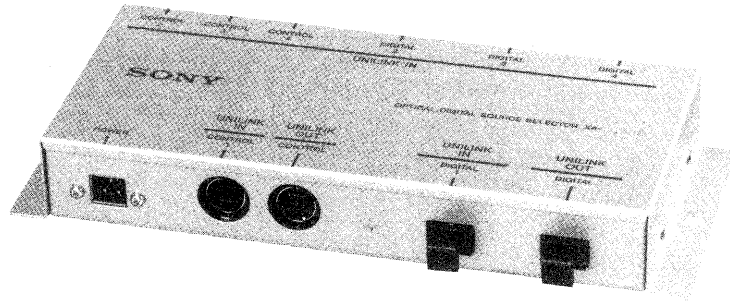
XA-U40D

SERVICE MANUAL

US Model
AEP Model
UK Model
E Model



SPECIFICATIONS

Power requirements
DC 12 V car battery (negative ground)
Mounting dimensions
Approx. 80 × 203 × 28 mm (w/h/d) ($3^1/_4 \times 8 \times 1^1/_8$ inches)
Weight Approx. 0.4 kg (14 oz.)
Accessories supplied
Power connecting cord (1)
UNILINK cable (2 m) (1)
Optical cable (2 m) (1)
Mounting screw (2)
Optional accessories
UNILINK cable RC-61 (1 m)
UNILINK cable RC-62 (2 m)

Design and specifications subject to change without notice.

Features

The XA-U40D is a digital source selector for connecting several CD changers which are compatible with the Sony digital UNILINK system to a car audio system which is also compatible with the Sony digital UNILINK system. Four CD changers can be connected per unit, and the maximum of ten CD changers can be connected by three XA-U40Ds.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

DIGITAL SOURCE SELECTOR

SONY®

SECTION 1
GENERAL

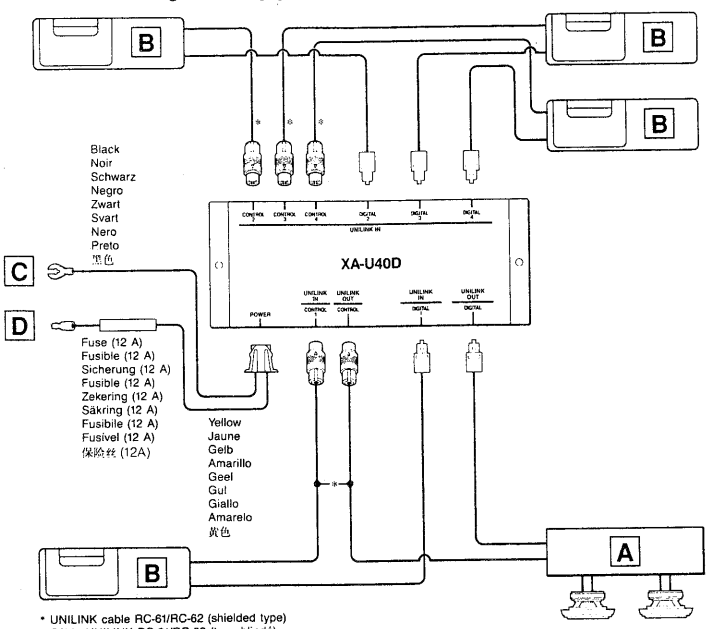
This section is extracted from instruction manual.

System Connections

Connection Diagram
Diagrama de conexión
Schema di collegamento

Schéma de connexion
Aansluitschema
Diagrama de ligações

Anschlußdiagramm
Kopplingsdiagram
接线图



C

to a metal point of a car
à un point métallique de la voiture
an ein Metallteil des Wagens
a un punto metálico del automóvil
naar een metalen onderdeel van de auto
till en metalldel i bilen
a un punto metallico dell'auto
A um ponto metálico do automóvel
接至汽车的金属部分

D

to the +12 V power terminal which is energized at all times
à la borne d'alimentation +12 V qui est énergétisée en permanence
An einen +12-V-Kontakt, das stets unter Strom steht.
a un terminal de alimentación de +12 V que esté permanentemente energizado
naar de (+) 12 V accu-aansluiting die altijd onder spanning staat
till det 12 V strömuttag som alltid är spänningsförande
al terminale di alimentazione +12 V, sempre sotto tensione
Ao terminal +12 V de alimentação o qual recebe energia permanentemente.
至经常通电的 +12V 电源端子

B

Digital UNILINK system compatible CD changer
Changeur CD compatible avec le système numérique UNILINK
Mit digitalem UNILINK-System kompatibler CD-Wechsler
Cambiador de discos compactos compatible con el sistema UNILINK digital
CD wisselaar die geschikt is voor het digitale UNILINK systeem
CD-skivväxlare som är kompatibel med Sonys digitala, optiska styrsystem UNILINK
Cambiatore CD compatibile con il sistema digitale UNILINK
Permutador de discos compactos compativel com o sistema UNILINK digital
与数字信息 UNILINK 系统有通用性的激光唱片转换器

A

Digital UNILINK system compatible car audio set
Autoradio compatible avec le système numérique UNILINK
Mit digitalem UNILINK-System kompatible Auto-Audioanlage
Sistema de audio para automóvil compatible con el sistema UNILINK digital
Auto-geluidsinstallatie die geschikt is voor het digitale UNILINK systeem
Bilstereo som är kompatibel med Sonys digitala, optiska styrsystem UNILINK
Autostereo compatibile con il sistema digitale UNILINK
Auto-estéreo compativel com o sistema UNILINK digital
与数字信息 UNILINK 系统有通用性的汽车音响装置

Caution

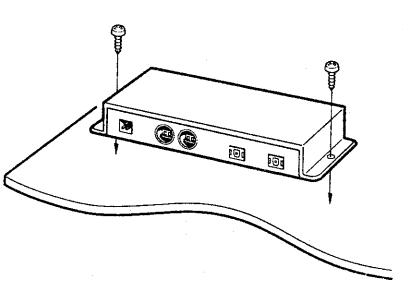
- Before making connections, disconnect the ground terminal of car battery to avoid short-circuiting.
- Connect the yellow power input cord only after all the other cords have been connected.
- Be sure to connect the ground wire of the unit securely to a metal point of the car. A loose connection may cause a malfunction of the unit.
- Do not force to bend the optical cable too much so that the bent part (arc) becomes less than 10 cm (4 inch) in diameter.

Note

If your car has an on board computer or navigation computer installed, their memories can be wiped out when the negative terminal of the car battery is disconnected. In such a case, make sure that all the connections except the yellow power input cord are completed before connecting the power input cord.

Mounting Example

Mounting with the supplied screws

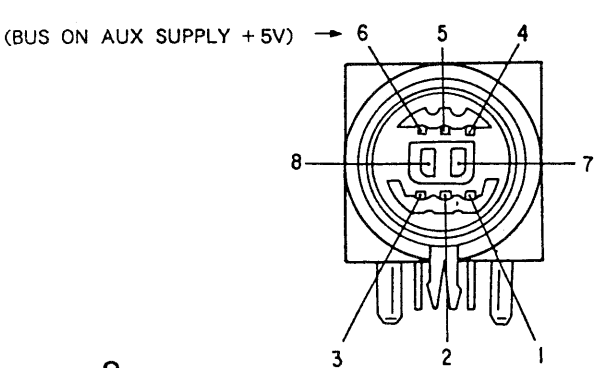


[Safety Precaution]

XA-U40D controls CD changers with the control signal supplied from head unit. So, when attempting to repair this equipmentas an independent unit, control signals are needed to add, but operation check is possible by setting up BUS ON conditions.

[Method]

Apply a +5V voltage to the 6PIN (BUS ON) terminal of the CN1 (UNILINK OUT CONTROL) to set the unit to the BUS ON condition.



Connections

When using one XA-U40D
(up to four CD-changers can be connected)

Cuando emplee un XA-U40D
(podrá conectar hasta cuatro cambiadores de discos compactos)

Quando si usa un XA-U40D
(possono essere collegati fino a quattro cambiatori CD)

Lors de l'utilisation d'un XA-U40D
(Quatre changeurs de CD au maximum peuvent être branchés)

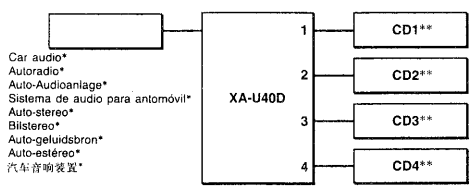
Bij gebruik van één XA-U40D
(in totaal kunnen vier CD-wisselaars aangesloten worden)

Emprego de somente um XA-U40D
(um máximo de quatro permutadores de disco compacto)

Bei Verwendung eines XA-U40D
(bis zu vier CD-Wechsler können angeschlossen werden)

När en XA-U40D används
(upp till fyra CD-skivväxlare kan då anslutas)

使用1架 XA-U40D 时
（最多可连接4架激光唱片转换器）



When using two XA-U40Ds
(up to seven CD-changers can be connected)

Cuando emplee dos XA-U40D
(podrá conectar hasta siete cambiadores de discos compactos)

Quando si usano due XA-U40Ds
(possono essere collegati fino a sette cambiatori CD)

Lors de l'utilisation de deux XA-U40Ds
(Sept changeurs de CD au maximum peuvent être branchés)

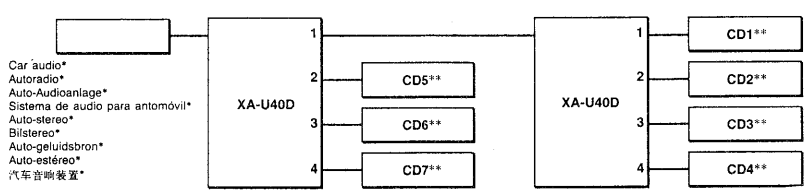
Bij gebruik van twee XA-U40D's
(in totaal kunnen zeven CD-wisselaars aangesloten worden)

Emprego de dois XA-U40Ds
(um máximo de sete permutadores de disco compacto)

Bei Verwendung von zwei XA-U40D
(bis zu sieben CD-Wechsler können angeschlossen werden)

När två XA-U40D används
(upp till sju CD-skivväxlare kan då anslutas)

使用2架 XA-U40D 时
（最多可连接7架激光唱片转换器）



When using three XA-U40Ds
(up to ten CD-changers can be connected)

Cuando emplee tres XA-U40D
(podrá conectar hasta diez cambiadores de discos compactos)

Quando si usano tre XA-U40Ds
(possono essere collegati fino a dieci cambiatori CD)

Lors de l'utilisation de trois XA-U40Ds
(Dix changeurs de CD au maximum peuvent être branchés)

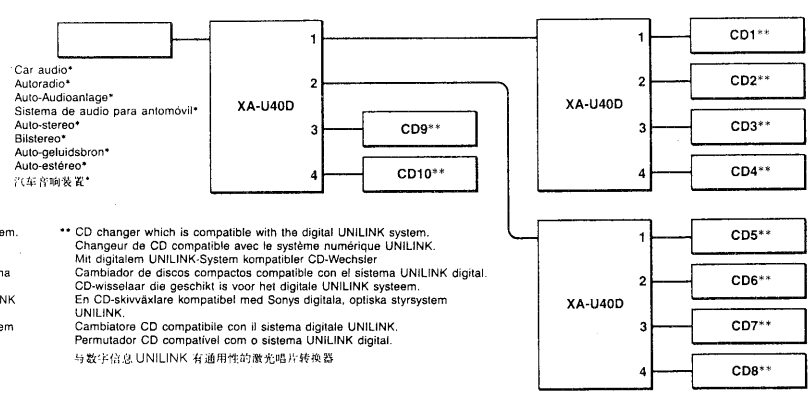
Bij gebruik van drie XA-U40D's
(in totaal kunnen tien CD-wisselaars aangesloten worden)

Emprego de três XA-U40Ds
(um máximo de dez permutadores de disco compacto)

Bei Verwendung von drei XA-U40D
(bis zu zehn CD-Wechsler können angeschlossen werden)

När tre XA-U40D används
(upp till tio CD-skivväxlare kan då anslutas)

使用3架 XA-U40D 时
（最多可连接10架激光唱片转换器）



* Car audio which is compatible with the digital UNILINK system.
Autoradio compatible avec le système numérique UNILINK.
Mit digitalem UNILINK-System kompatible Auto-Audioanlage
Sistema de audio para automóviles compatible con el sistema UNILINK digital.
Auto-geluidsinstallatie die geschikt is voor het digitale UNILINK systeem.
En bilstereo kompatibel med Sonys digitala, optiska styrsystem UNILINK.
Autostereo compatibile con il sistema digitale UNILINK.
Auto-estéreo compatível com o sistema UNILINK digital.
与数字信息 UNILINK 有通用性的汽车音响装置

** CD changer which is compatible with the digital UNILINK system.
Changeur de CD compatible avec le système numérique UNILINK.
Mit digitalem UNILINK-System kompatibler CD-Wechsler
Cambiador de discos compactos compatible con el sistema UNILINK digital.
CD-wisselaar die geschikt is voor het digitale UNILINK systeem.
En CD-skivväxlare kompatibel med Sonys digitala, optiska styrsystem UNILINK.
Cambiatore CD compatibile con il sistema digitale UNILINK.
Permutador CD compatível com o sistema UNILINK digital.
与数字信息 UNILINK 有通用性的激光唱片转换器

Notes

- Up to three XA-U40Ds can be connected.
- When three XA-U40Ds are to be connected, they can be connected either in series or parallel fashion regardless of the terminal numbers printed on them. There will be no difference in the flow of signals. However, the order of connected CD changers may change depending on the way they are connected.
- After the connection is completed, make sure to note down the CD changer numbers (i.e. CD1, CD2) displayed on the monitor or display window of the car audio. It will be useful to write them down on pieces of paper etc. and stick them on the CD changers so that you can identify them easily.

SECTION 2
DIAGRAMS

2-1. IC Description

Microprocenssor (IC : uPD75004GB-749-3B4) Port Function and I/O Level

Pin No.	Pin Name	I/O	Description
13	$\overline{\text{AUDIO 3}}$	O	Audio signal select output for inputs (4ch and 2ch).
14	$\overline{\text{AUDIO 2}}$	O	
15	$\overline{\text{AUDIO 1}}$	O	
16	$\overline{\text{AUDIO 0}}$	O	
17, 18	Vss	–	GND
20	$\overline{\text{RESET}}$	I	Reset signal input.
21	X1	–	System clock. 4.19 MHz.
22	X2	–	
23	$\overline{\text{LINK 3}}$	O	UNILINK communication enable signal output for inputs(4ch/2ch). L: Enable.
24	$\overline{\text{LINK 2}}$	O	
25	$\overline{\text{LINK 1}}$	O	
26	$\overline{\text{LINK 0}}$	O	
28	REQ	O	UNILINK communication serial data request output.
29	SI	I	UNILINK communication serial data input.
30	SO	O	UNILINK communication serial data output.
31	SCLK	I	UNILINK communication serial clock.
32	$\overline{\text{BUS ON}}$	I	UNILINK communication enable signal input. L: Enable.
36	$\overline{\text{MAIN BACKUP}}$	I	BACKUP power supply failure detect input. H: Power failure.
37	$\overline{\text{BACK UP}}$	I	GND
38, 39	Vcc	–	Power supply terminal.
42	$\overline{\text{MUTE}}$	O	Open
43	$\overline{\text{POWER ON}}$	O	Power-ON signal (Signal to enable)output. L: Enable.

Note : Ports other than those described above are unused.

・Semiconductor Location

Ref. No.	Location	Ref. No.	Location
IC1	C-6	Q12	C-5
IC2	B-6	Q13	B-6
IC3	D-7	Q14	C-5
IC4	C-3	Q15	D-4
IC5	B-3	Q16	D-4
IC6	B-3	Q21	D-5
IC7	B-5	Q22	E-5
IC8	F-7		
IC9	F-5	ZD1	C-8
IC10	F-3	ZD2	D-8
		ZD3	D-7
Q1	D-5	ZD4	E-7
Q2	D-5	ZD5	D-4
Q3	C-7	D1	D-5
Q4	C-7	D2	D-5
Q5	D-7	D3	C-7
Q6	D-7	D4	E-6
Q7	D-5	D5	B-10
Q8	C-5	D6	D-6
Q9	D-6	D1	QE-6
Q10	C-5	D1	3D-6
Q11	C-5	D1	4C-8

Note on Schematic Diagram :

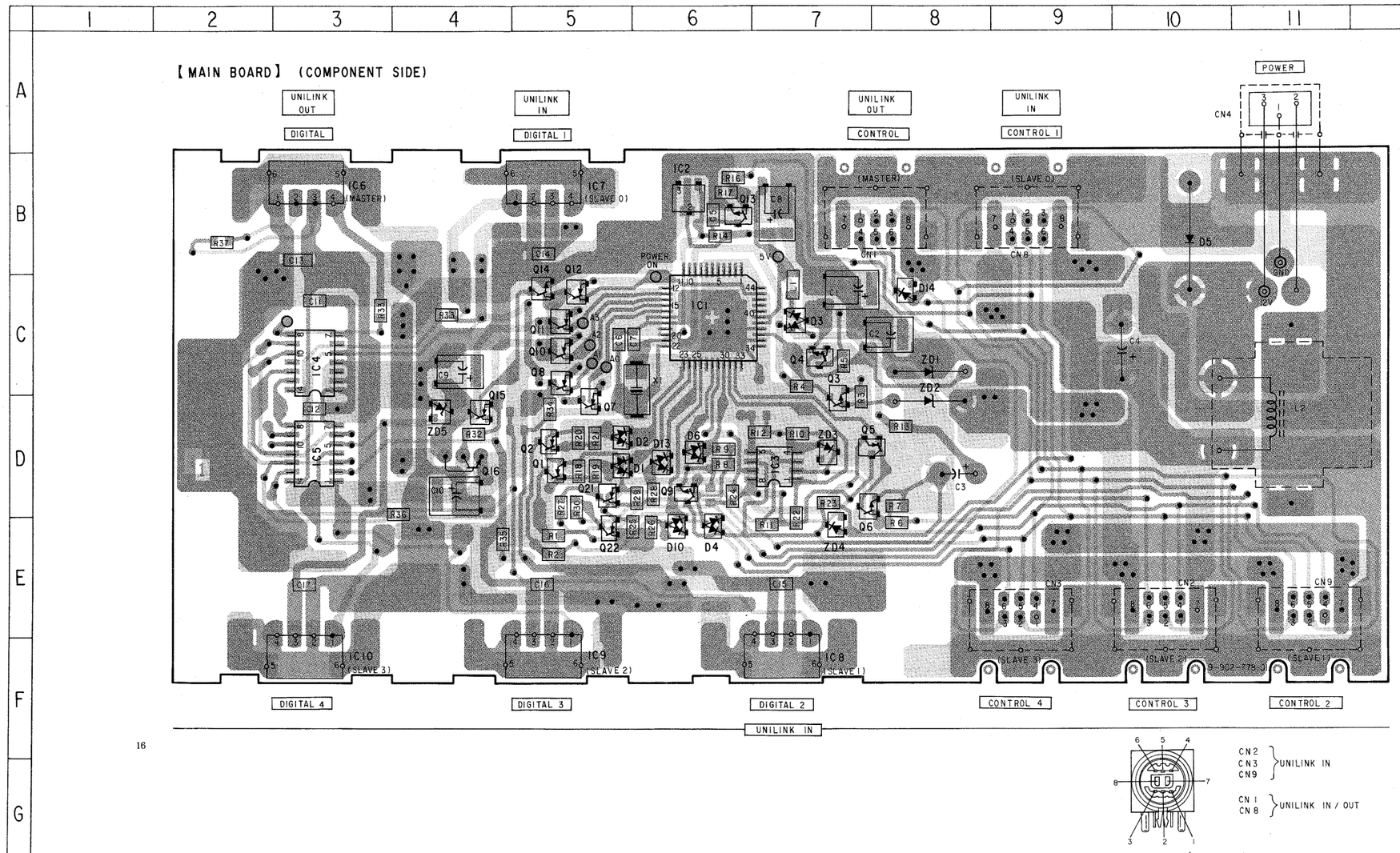
- **All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.**
- **All resistors are in Ω and ¼ W or less unless otherwise specified.**
- ⊚ ▭▭▭ : B + Line.
- ⊚ ▭▭▭ : B − Line.
- ⊚ Power voltage is dc 14.4 V and fed with regulated dc power supply from power connector.
- ⊚ Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : Bus off condition
  ( ) : Bus on condition
- ⊚ Voltages are taken with a VOM (input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- ⊚ Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- ⊚ Signal path.
  ⇨ : Digital signal

Note on Mounting Diagram :

- ○—— : Parts extracted from the component side.
- ● : Through hole.
- ▩ : Pattern on the side which is seen.
- ⊚ ▩ : Pattern of the rear side.

2-2. PRINTED WIRING BOARD

【MAIN BOARD】 (COMPONENT SIDE)



DIODE

D1	8-719-914-44	DAP202K
D2	8-719-914-44	DAP202K
D3	8-719-914-44	DAP202K
D4	8-719-914-44	DAP202K
D6	8-719-914-44	DAP202K
D10	8-719-914-44	DAP202K
D13	8-719-914-44	DAP202K
D14	8-719-93 8-75	RB411D
ZD3	8-719-157-33	RD6.2M-B
ZD4	8-719-157-33	RD6.2M-B

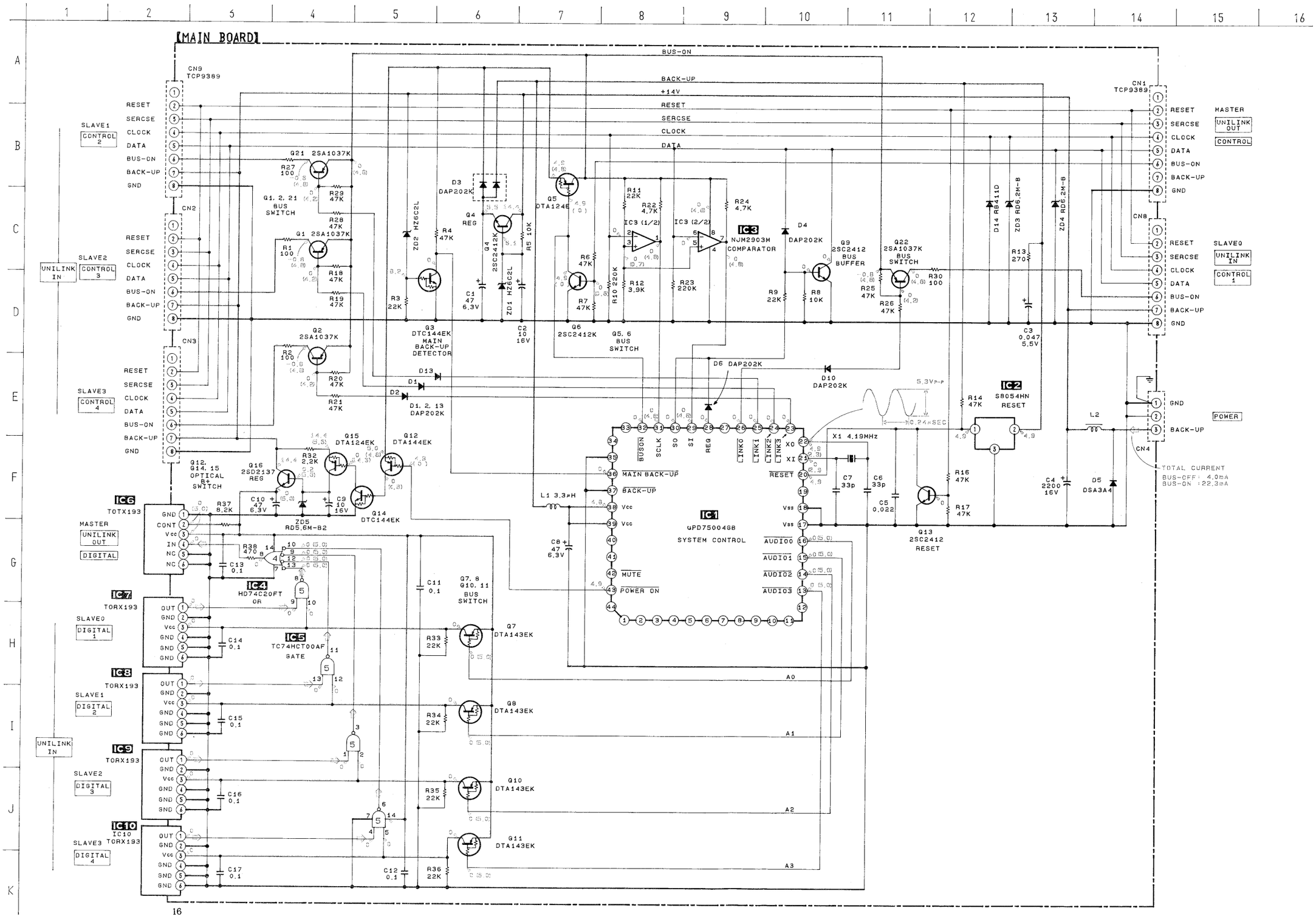
IC

IC1	8-759-056-93	uPD75004GB-749-3B4
IC2	8-759-940-45	S8054-HN-CB-S
IC3	8-759-700-07	NJM2903M
IC4	8-759-304-48	HD74HC20FT
IC5	8-759-239-86	TC74HCT00AF

TRANSISTOR

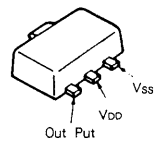
Q1	8-721-216-22	2SA1037K	Q6	8-729-120-28	2SC2412K	Q11	8-729-901-47	DTA143EK	Q21	8-729-216-22	2SA1037K
Q2	8-721-216-22	2SA1037K	Q7	8-729-901-47	DTA143EK	Q12	8-729-901-06	DTA144EK	Q22	8-729-216-22	2SA1037K
Q3	8-729-901-01	DTC144EK	Q8	8-729-901-47	DTA143EK	Q13	8-729-120-28	2SC2412K			
Q4	8-729-120-28	2SC2412K	Q9	8-729-120-28	2SC2412K	Q14	8-729-901-01	DTC144EK			
Q5	8-729-901-05	DTA124EK	Q10	8-729-901-47	DTA143EK	Q15	8-729-901-05	DTC124EK			

2-3. SCHEMATIC DIAGRAM

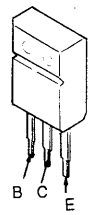


2-4. SEMICONDUCTOR LEAD LAYOUTS

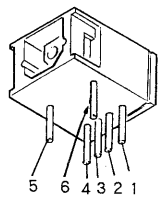
S8054-HN-CB-S



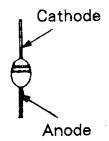
2SD2137



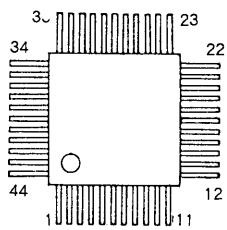
TORX193
TOTX193



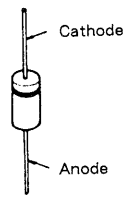
DSA3A4



μPD75004GB-749-3B4



HZ6C2L

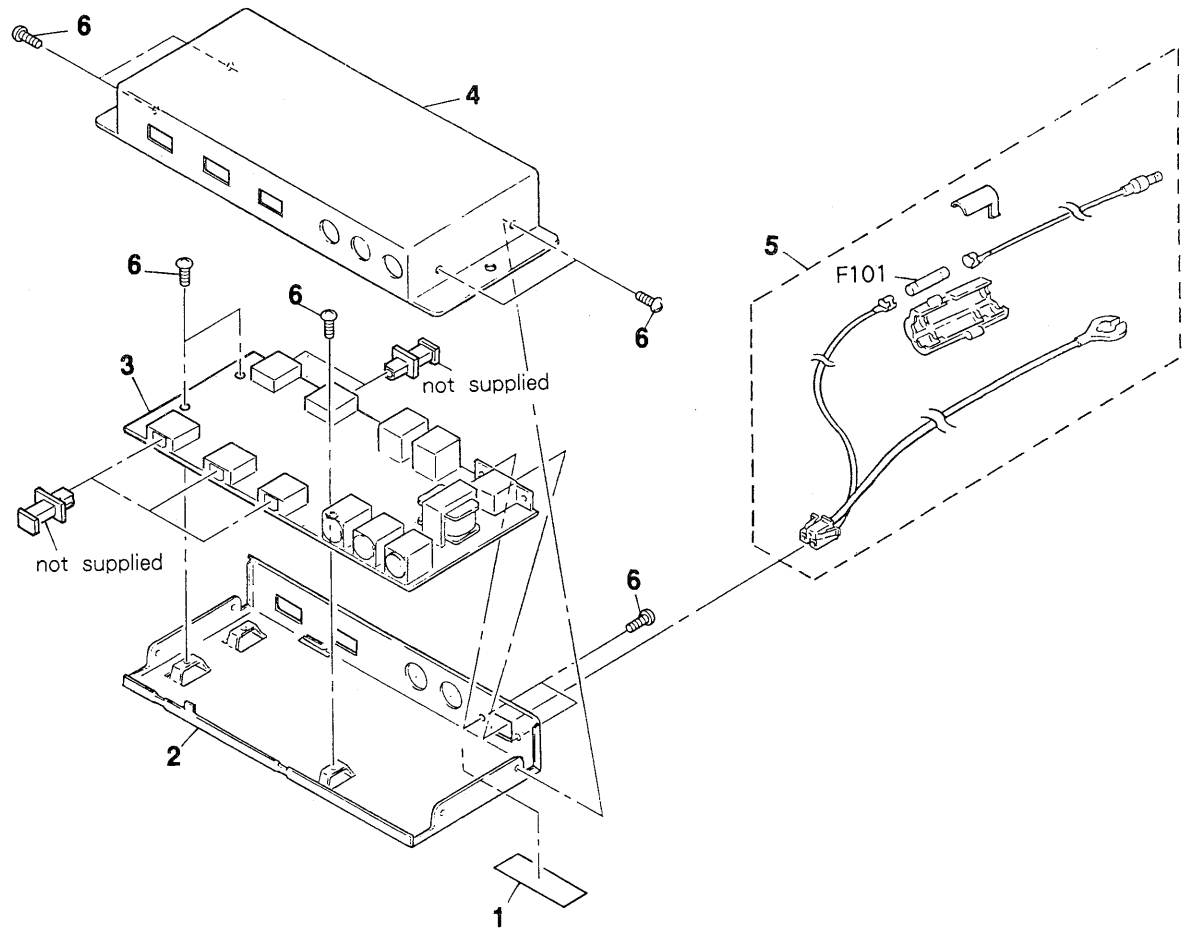


SECTION 3
EXPLODED VIEW

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)...(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

OVERALL SECTION



Ref. No.	Part No.	Description	Remarks
* 1	3-380-538-01	LABEL, MODEL NUMBER (U)	
2	3-380-542-01	CASE (LOWER)	
3	9-902-778-01	MAIN BOARD	
4	3-380-541-01	CASE (UPPER)	

Ref. No.	Part No.	Description	Remarks
5	1-690-142-11	CORD (WITH CONNECTOR)	
6	7-621-770-67	SCREW, +PTT 2.6X6 (S)	
F101	1-532-678-11	FUSE 12A	

SECTION 4
ELECTRICAL PARTS LIST

MAIN

NOTE:

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS :
  uF : μF
- RESISTORS
  All resistors are in ohms.
  METAL : metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- COILS
  uH : μH
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA... : μA... , uPA... , μPA... ,
  uPB... , μPB... , uPC... , μPC... ,
  uPD..., μPD...

Ref. No.	Part No.	Description				Remarks
	9-902-778-01	MAIN BOARD				
		**********				
		< CAPACITOR >				
C1	1-128-312-11	ELECT	47uF	20%	6.3V	
C2	1-128-313-11	ELECT	10uF	20%	10V	
C3	1-125-559-11	DOUBLE LAYERS	0.047F		5.5V	
C4	1-124-343-00	ELECT	2200uF	20%	16V	
C5	1-163-037-00	CHIP CERAMIC	0.022uF	10%	25V	
C6	1-163-239-00	CHIP CERAMIC	33PF	5%	50V	
C7	1-163-239-11	CHIP CERAMIC	33PF	5%	50V	
C8	1-128-312-11	CHIP ELECT	47uF	5%	6.3V	
C9	1-128-313-11	CHIP ELECT	10uF	20%	10V	
C10	1-128-312-11	CHIP ELECT	47uF	5%	6.3V	
C11	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C12	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C13	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C14	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C15	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C16	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
C17	1-163-038-00	CHIP CERAMIC	0.1uF		25V	
		< CONNECTOR >				
CN1	1-580-907-11	PLUG, CONNECTOR(UNILINK OUT)				
CN2	1-580-907-11	PLUG, CONNECTOR(CONTROL 3)				
CN3	1-580-907-11	PLUG, CONNECTOR(CONTROL 4)				
CN4	1-580-065-11	CONNECTOR(POWER)				
CN8	1-580-907-11	PLUG, CONNECTOR(CONTROL 1)				
CN9	1-580-907-11	PLUG, CONNECTOR(CONTROL 2)				

Ref. No.	Part No.	Description		Remarks
		< DIODE >		
ZD1	8-719-910-68	DIODE	HZ6C2L	
ZD2	8-719-910-68	DIODE	HZ6C2L	
ZD3	8-719-157-33	DIODE	RD6.2M-B	
ZD4	8-719-157-33	DIODE	RD6.2M-B	
ZD5	8-719-105-91	DIODE	RD5.6M-B2	
D1	8-719-914-44	DIODE	DAP202K	
D2	8-719-914-44	DIODE	DAP202K	
D3	8-719-914-44	DIODE	DAP202K	
D4	8-719-914-44	DIODE	DAP202K	
D5	8-719-945-59	DIODE	DSA3A4	
D6	8-719-914-44	DIODE	DAP202K	
D10	8-719-914-44	DIODE	DAP202K	
D13	8-719-914-44	DIODE	DAP202K	
D14	8-719-93 8-75	DIODE	RB411D	
		< IC >		
IC1	8-759-940-93	IC	uPD75004GB-749-3B4	
IC2	8-759-940-45	IC	S-8054-HN-CB-S	
IC3	8-759-981-65	IC	LM2903M	
IC4	8-759-304-48	IC	HD74HC20FP	
IC5	8-759-239-86	IC	TC74HCT00AF	
IC6	8-749-923-53	IC	TOTX193(UNILINK OUT)	
IC7	8-749-923-62	IC	TORX-193(DIGITAL 1)	
IC8	8-749-923-62	IC	TORX-193(DIGITAL 2)	
IC9	8-749-923-62	IC	TORX-193(DIGITAL 3)	
IC10	8-749-923-62	IC	TORX-193(DIGITAL 4)	
		< COIL >		
L1	1-410-322-11	MICRO INDUCTOR	3.3uH	
L2	1-421-369-00	COIL, CHOKE		

MAIN

Ref. No.	Part No.	Description			Remarks
		< TRANSISTOR >			
Q1	8-729-902-08	TRANSISTOR	2SA1037K-R		
Q2	8-729-902-08	TRANSISTOR	2SA1037K-R		
Q3	8-729-901-01	TRANSISTOR	DTC144EK		
Q4	8-729-120-28	TRANSISTOR	2SC2412K		
Q5	8-729-901-05	TRANSISTOR	DTA124EK		
Q6	8-729-120-28	TRANSISTOR	2SC2412K		
Q7	8-729-901-47	TRANSISTOR	DTA143EK		
Q8	8-729-901-47	TRANSISTOR	DTA143EK		
Q9	8-729-120-28	TRANSISTOR	2SC2412K		
Q10	8-729-901-47	TRANSISTOR	DTA143EK		
Q11	8-729-901-47	TRANSISTOR	DTA143EK		
Q12	8-729-901-06	TRANSISTOR	DTA144EK		
Q13	8-729-120-28	TRANSISTOR	2SC2412K		
Q14	8-729-901-01	TRANSISTOR	DTC144EK		
Q15	8-729-901-05	TRANSISTOR	DTC124EK		
Q16	8-729-423-99	TRANSISTOR	2SD2137		
Q21	8-729-902-08	TRANSISTOR	2SA1037K-R		
Q22	8-729-902-08	TRANSISTOR	2SA1037K-R		
		< RESISTOR >			
R1	1-216-025-00	RES, CHIP	100	5% 1/10W	
R2	1-216-025-00	RES, CHIP	100	5% 1/10W	
R3	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R4	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R5	1-216-073-00	RES, CHIP	10K	5% 1/10W	
R6	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R7	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R8	1-216-073-00	RES, CHIP	10K	5% 1/10W	
R9	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R10	1-216-105-00	RES, CHIP	220K	5% 1/10W	
R11	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R12	1-216-063-00	RES, CHIP	3.9K	5% 1/10W	
R13	1-216-035-00	RES, CHIP	270	5% 1/10W	
R14	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R16	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R17	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R18	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R19	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R20	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R21	1-216-089-00	RES, CHIP	47K	5% 1/10W	

Ref. No.	Part No.	Description			Remarks
R22	1-216-065-00	RES, CHIP	4.7K	5% 1/10W	
R23	1-216-105-00	RES, CHIP	220K	5% 1/10W	
R24	1-216-065-00	RES, CHIP	4.7K	5% 1/10W	
R25	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R26	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R27	1-216-025-00	RES, CHIP	100	5% 1/10W	
R28	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R29	1-216-089-00	RES, CHIP	47K	5% 1/10W	
R30	1-216-025-00	RES, CHIP	100	5% 1/10W	
R32	1-216-057-00	RES, CHIP	2.2K	5% 1/10W	
R33	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R34	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R35	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R36	1-216-081-00	RES, CHIP	22K	5% 1/10W	
R37	1-216-071-00	RES, CHIP	8.2K	5% 1/10W	
R38	1-216-041-00	RES, CHIP	470	5% 1/10W	
		< VIBRATOR >			
X1	1-577-273-11	OSCILLATOR, CERAMIC	4.194MHZ		

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MISCELLANEOUS

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F101	1-532-678-11	FUSE 12A
5	1-690-142-11	CORD (WITH CONNECTOR)

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ACCESSCRIES & PACKING MATERIALS

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	X-3365-342-1	SCREW ASSY
	3-755-265-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN, DUTCH, SWEDISH, PROTUGUESE, CHINESE)
*	3-381-497-01	INDIVIDUAL CORTON
*	3-381-556-01	CUSHION, CORRUGATED FIVER BOARD

9-957-170-11

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Mobile Electronics Group

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